Unique Item Tracking Committee

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

www.snt.navsup.navy.mil

Ready. Resourceful. Responsive!

MATT MULLINS
CDR, USN
17 JUN 2003

Outline

Outline

- Background/Overview
- Implementation
- System Access
- AIT
- Parallel Goals with DOD
- Summary

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

How SNT Got Started

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998

Background/Overview

⇩ Lower Maintenance & Supply Cost

⇧ Increase Readiness

Result – Serial Number Tracking Initiative provi

- Retrograde Tracking & TAV

By T/M/S, Organization and time period

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

Overview

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Definition: ***Closed-loop, cradle-to-grave tracking maintenance critical, serialized components, prov asset visibility and material status, and enabled b automatic identification technology***

Maintenance

- Identify Maintenance Deficiencies
- Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Los
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

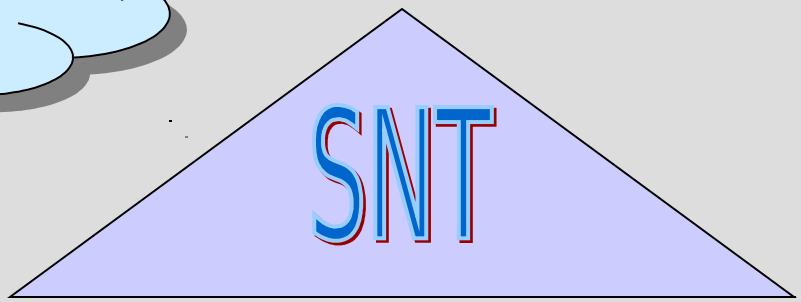
NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

SNT Consists of Two Pillars

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Implementation

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

- WMRS/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D Data matrix
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

SECOND

Automatic Identificatio Technology (AIT) is used by the SNT to maintain data accurac

Aviation Asset/Information Flow

NAVSUP NAVAL SUPPLY SYSTEMS

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Information Systems

System Access

Carcass Screening
Transshipment

Carcass Shipment

ATAC
Hub / Node
Web-MRIL / A-ORS

ATAC DB

UICP

NRFI Inventory

DDD/ FISC

Navy/CAV

ASD

FACTS
WMPS
eRMS

OOMA
OIM
A

I-Level

Retail Sector

NALCOMIS (O)
Top Tier
LMDSS (I)
DMDS (D)

OOMA

'O' Level

NALCOMIS
Foundation Tier

Web-enabled

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

UICP

GTN

LCAV

GTN

Navy\CAV

DDD/ FISC

RFI Wholesale Inventory

Wholesale Sector

Connected w/SN ---------- No SN Not Asset Flow

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

CMB

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

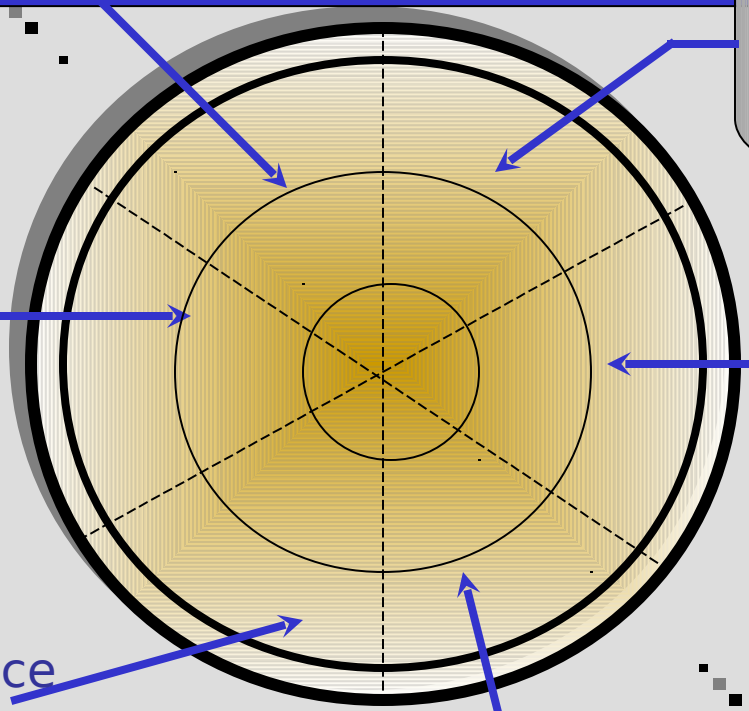
Contact Memory Button (CMB)

Scheduled Removal Component Card

Nameplate Data

Warranty Data

Maintenance History**



**Use TBD within aviation maintenance

CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

Available for Vendor Use

Available for Future Navy Use

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

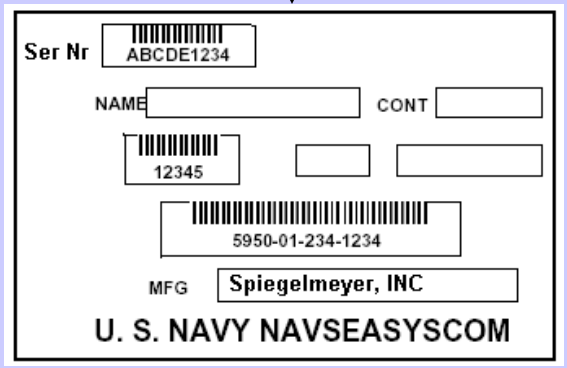
Military Standards Product Marking

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

Mil-Std 130 Identification Marking of U. S. Property Product Marking

Today's Standard



Tomorrow's Standard

CMB

2D Data Matrix

Cage V2345
PN 33489-12
NSN 5835-01-141-5888
Ser: 45367

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

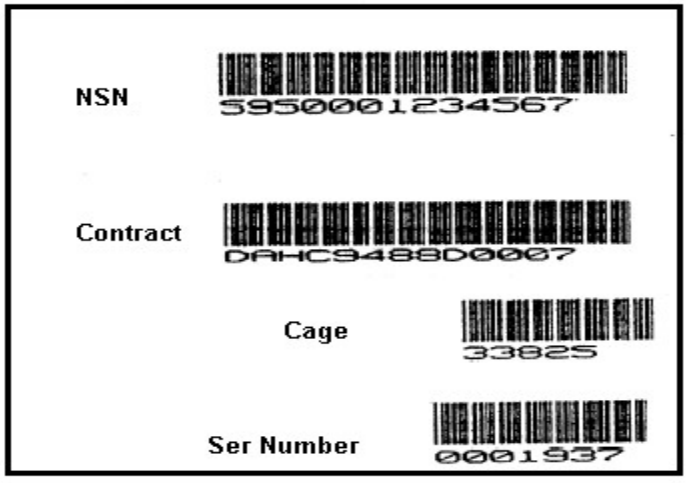
Military Standards Package Marking

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT

Mil Std 129 Package Marking

Today's Standard



Tomorrow's Standard

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

Contracts

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

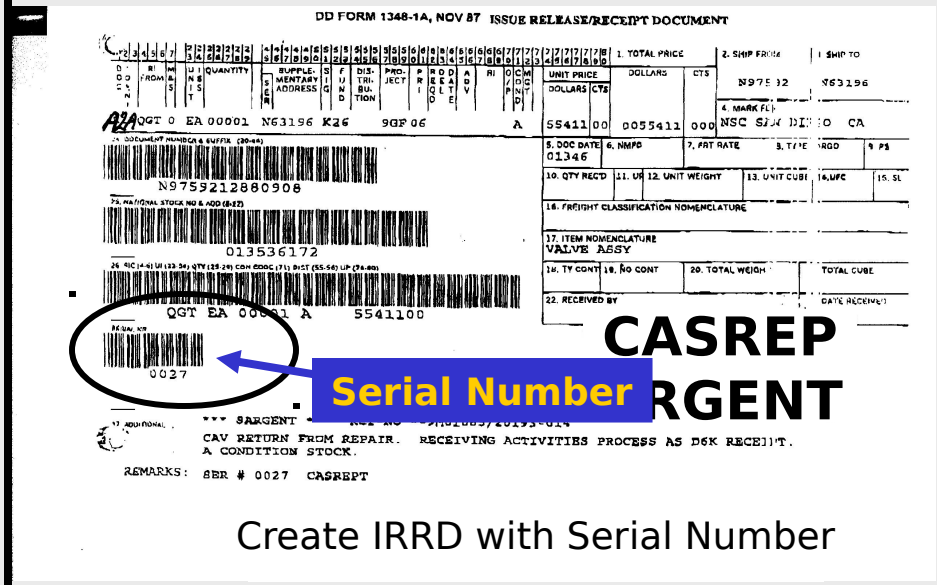
AIT

Package marking

Mil-Std 129 PDF417
2D
ANSI MH 10

Cage: 02059
PN:102770-351
Ser: 6694
NSN 7025011415888
CONT: N00104-98-T-0023
Name: Magnetic Tape
U/I: EA
QTY: 1

Invoices



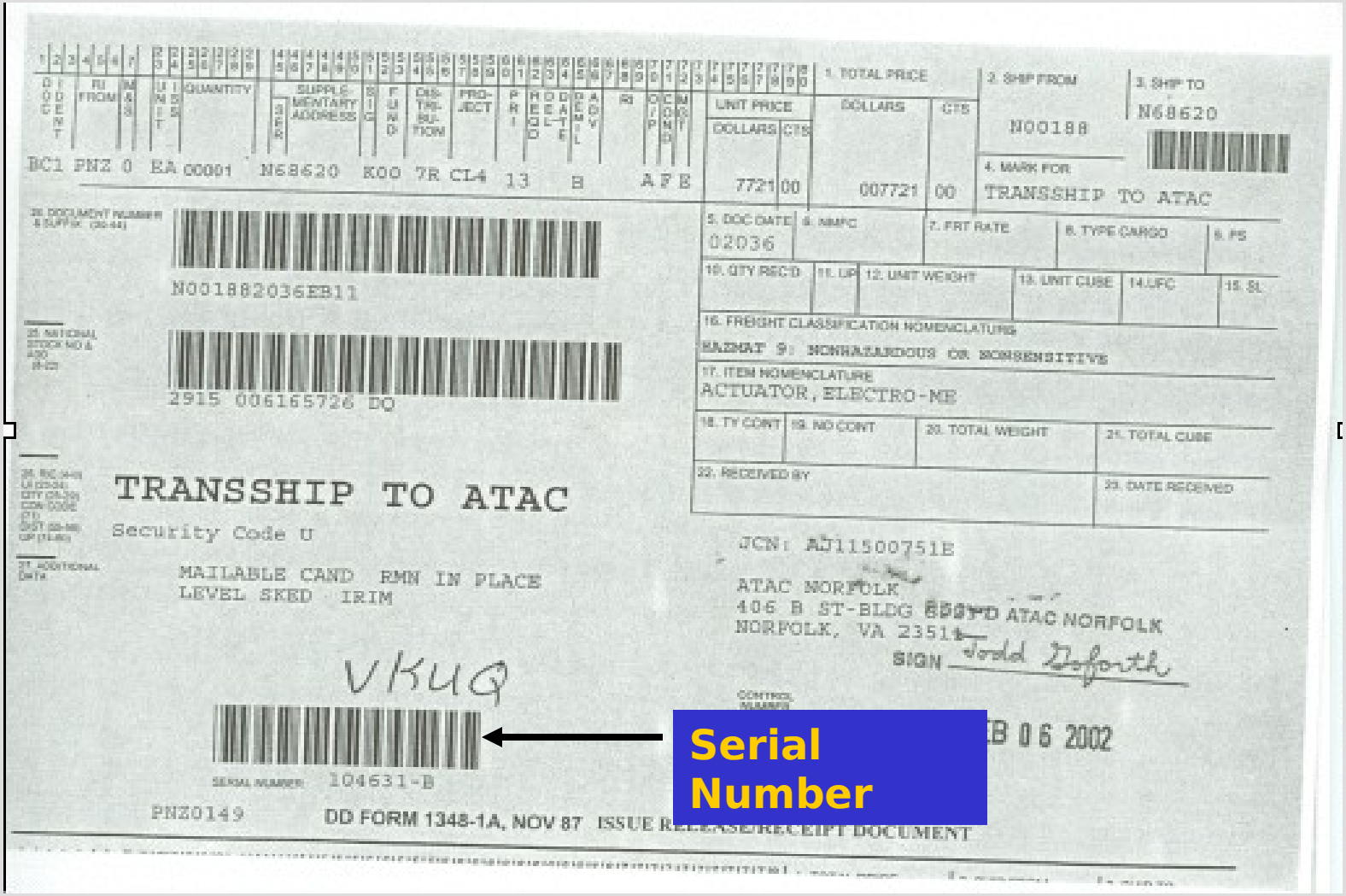
Create IRRD with Serial Number

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

Retrograde from Customer

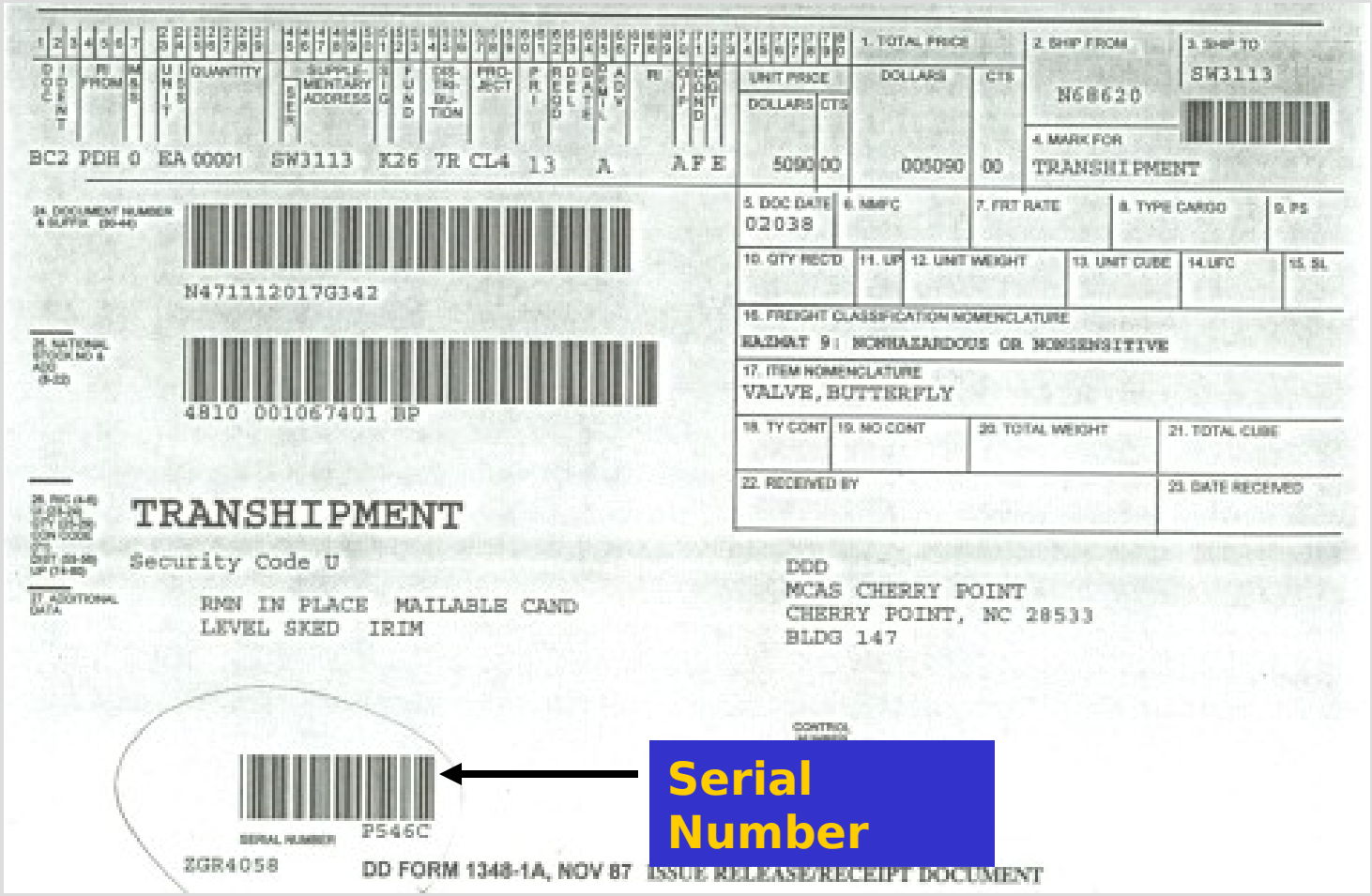
UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

AIT



Retrograde to DD

AIT



Wholesale System Reporting S/N

NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Future

Coming Soon
DSS Reports SN of Selected Items For Receipts/ Issues

Web-enabled

SNT System

SNT WEB Site Accesses Navy Repository

DDNV 12/8/02 – 3/3/03
DDDC/DDCN 1/12/03 – 3/3/03

Receipts	W/ SN	W/O SN
DDNV	6	22
DDDC	193	112
DDCN	493	201
Issues		
DDNV	15	9
DDDC	95	164
DDCN	470	314

Navy Repository

NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

SIM / SNT Parallel Goals

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Summary

DRID 54

Optimize Logistics Processes to Minimize Customer Wait Time (CWT) using Variance Based Metrics	Customer Confidence In a Simplified Priority System With Time Definite Delivery	Total Asset Visibility Through Use of AIT, Shared Data Environment and Other Applications	Real-Time, Actionable, Web-Based Logistics Information Systems
FY02	FY02	FY04	FY04

Complements

- SUPER REG
- DoD 5000.2 Acquisition
- SIM Directive
- ADC 44 & 89
- DoD UID Guide 9 May 03

Navy Enterprise Team Ships

Supply Maintenance Aviation Reengineering Team SMART ERP NAVSUP ★ NAVAIR

Summary

- SNT Project well underway
- Accessing systems
- Complying with DOD directives
  - AIT
  - UID
- SNT is a part of (and complements) TAV

Points of Contact

http://www.snt.navsup.navy.mi

Project Manager

- CDR Matt Mullins (NAVSUP 4B1I)
- DSN 430-2152 COM (717) 605-2152
- Email: matthew.mullins@navy.mil

Assistant Project Manager

- Wayne Hoover (RCI)
- DSN 430-6668 COM (717) 605-6668
- Email: wayne.hoover@navy.mil

Contractor Support

Susan Dadey (CTC)
(814) 269-6519
Email: dadeys@ctcgsc.org

Pam Szymczak (RCI)
DSN 430-7259 COM (717) 605-7259
Email: pamela.szymczak@navy.mil